

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
678-1397SERIAL NO.  
10/811,547APPLICANTS  
Sung-Eun PARK et al.FILING DATE  
March 29, 2004GROUP ART UNIT  
Not Yet AssignedINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE       | NAME         | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|-----------------|------------|--------------|-------|----------|-------------------------------|
| <i>ASD</i>          | 5,463,657       | 10/31/1995 | Rice         |       |          |                               |
| <i>ASD</i>          | 5,870,414       | 2/9/1999   | Chaib et al. |       |          |                               |
| <i>ASD</i>          | 5,926,488       | 7/20/1999  | Khayrallah   |       |          |                               |
|                     |                 |            |              |       |          |                               |
|                     |                 |            |              |       |          |                               |
|                     |                 |            |              |       |          |                               |
|                     |                 |            |              |       |          |                               |
|                     |                 |            |              |       |          |                               |
|                     |                 |            |              |       |          |                               |
|                     |                 |            |              |       |          |                               |
|                     |                 |            |              |       |          |                               |
|                     |                 |            |              |       |          |                               |
|                     |                 |            |              |       |          |                               |
|                     |                 |            |              |       |          |                               |
|                     |                 |            |              |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|            | DOCUMENT NUMBER | DATE       | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|------------|-----------------|------------|---------|-------|----------|-------------|----|
|            |                 |            |         |       |          | YES         | NO |
| <i>ASD</i> | JP 2002-344332  | 11/29/2002 | Japan   |       |          | X           |    |
|            |                 |            |         |       |          |             |    |
|            |                 |            |         |       |          |             |    |
|            |                 |            |         |       |          |             |    |
|            |                 |            |         |       |          |             |    |
|            |                 |            |         |       |          |             |    |
|            |                 |            |         |       |          |             |    |

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

EXAMINER

DATE CONSIDERED

*A. Stephen Dilline**9/13/2006*

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

SERIAL NO.  
10/811.547

GROUP ART UNIT  
2133

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|     |    |  |
|-----|----|--|
| Q50 | 1. | Be'ery et al., "Optimal Soft Decision Block Decoders Based on Fast Hadamard Transform", IEEE Transactions on Information Theory, Vol. IT-32, No. 3, May 1986, pp. 355-364.                   |
| Q50 | 2. | Universal Mobile Telecommunications System (UMTS); Multiplexing and Channel Coding (FDD), (3GPP TS 25.212 Version 4.2.0 Release 4), September 2001.  |
| Q50 | 3. | 3 <sup>rd</sup> Generation Partnership Project (3GPP); Technical Specification Group Radio Access Network Multiplexing and Channel Coding (FDD), (3G TS 25.212 Version 3.0.0), October 1999. |

**EXAMINER**

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.